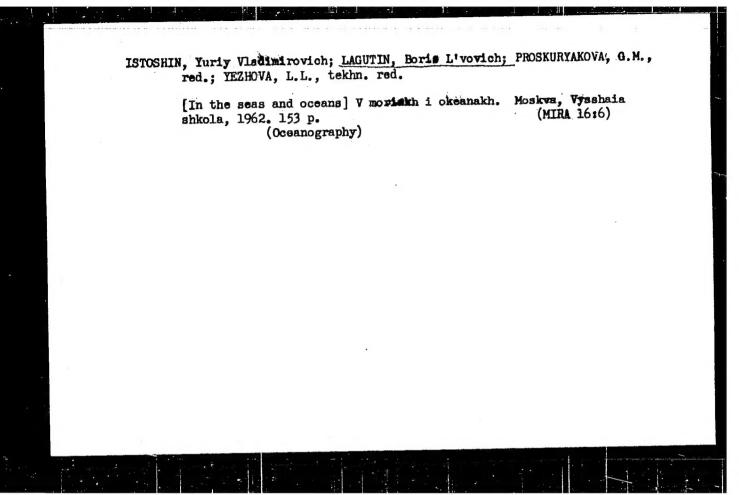
LAGUTIN, B.L.; MUROMISEV, A.M.; YUSHCHAK, A.A.

In memory of Nikolai Nikolaevich Zubov. Meteor.i gidrol. no.5:59-60 My '61. (MIRA 14:4) (Zubov, Nikolai Nikolaevich, 1885-1960)



"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928420015-0

LAGUTIN, B.L., kand.tekhn.nauk; TOLMAZIN, D.M.

Theoretical solution of the problem of artificial regulation of the exchange of waters through the Kerch Strait. Meteor. i gidrol. (MIRA 18:4) no.4:18-21 Ap 165.

1. Gosudarstvennyy okeanograficheskiy institut.

KOVALEV, G.Ye., gornyy inzh.; PANARIN, I.A., gornyy inzh.; LAGUTIN, G.M., gornyy inzh.

Economic effectiveness of using around-the-clock combined brigades in the organization of mining operations. Ugol' Ukr. 6 no.9:39 S '62. (MIRA 15:9)

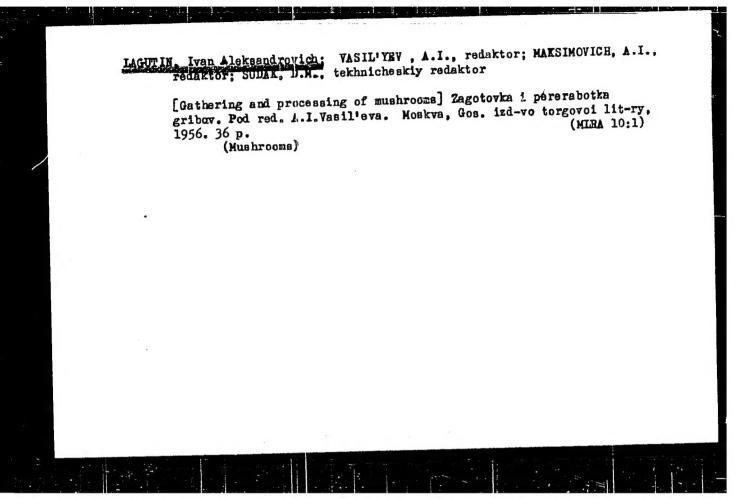
1. Normativno-issledovatel'skaya stantsiya tresta Kommunarskugol'. (Coal mines and mining)

KOVALEV, G.Ye., inzh.; FANARIN, I.A., inzh.; LAGUTIN, G.M., inzh.

Economic efficiency of multishift operation. Ugol'. prom. no.6:11-16
N-D '62.

1. Trest "Kommunarskugoli".

(lugansk ragion—Coal mines and mining—Labor productivity)



"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928420015-0

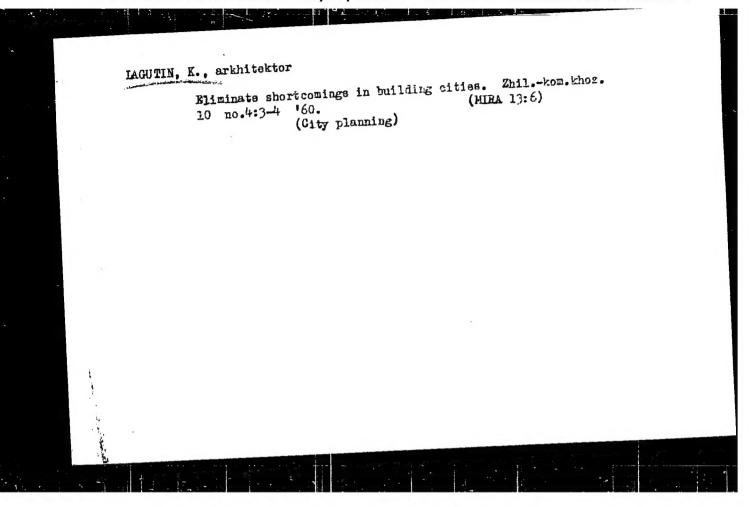
LAGUTIN, K.

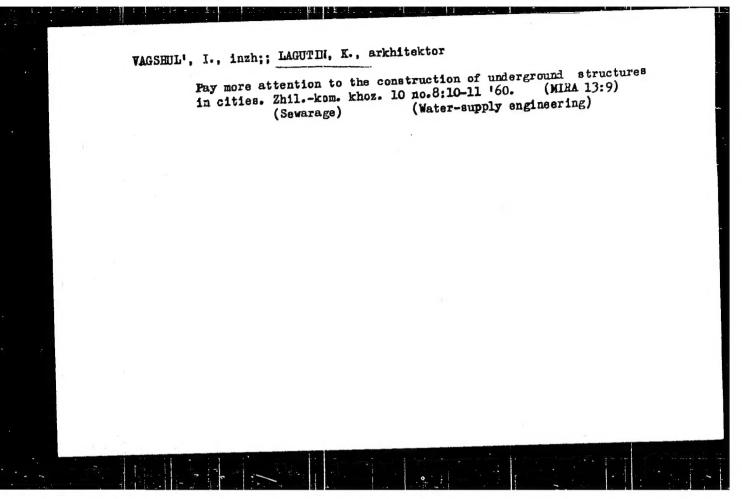
What the competition for residential and public buildings has shown us. Zhil.-kom.khoz. 9 no.10:12-14 159.

(MIRA 13:2)

1. Zamestitel' predsedatelya tsentral'noy komissii vserossiyskogo smotra zhilykh i grazhdanskikh zdaniy, nachal'nik Glavnoy inspektsii gosarkhstroy-kontrolya Ministerstva kommunal'nogo khozyaystva RSFSR. (Apartment houses) (Public buildings)

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928420015-0





sov/169-59-3-2979

Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 3, p 136 (USSR)

AUTHORS:

Kashcheyev, B.L., Dudnik, B.S., Lagutin, M.F., Lysenko, I.A.,

Tolstov, V.V.

TITLE:

Radar Observations of the Meteor Activity

PERIODICAL:

Mezhdunar, geofiz, god. Inform, byul., 1958, Nr 1, pp 38-42

(Engl. Res.)

ABSTRACT:

The article contains the results of meteor activity observations, which were performed in Khar'kov in accordance with the IGY program during the period from July to December 1957. The observations were carried out by a radar method in the 72 Mc range. More than 10,000 meteors were recorded. A circuit is discussed which may be used for meteor observations in the presence of

strong noise.

Authors' résumé

Card 1/1

CIA-RDP86-00513R000928420015-0" APPROVED FOR RELEASE: 06/20/2000

sov/169-59-4-4033

Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 4, p 123 (USSR)

AUTHORS: Dudnik, V.S., Kashcheyev, B.L., Lagutin, M.F., Lysenko, I.A.

TITLE: The Measurement of the Meteor Velocity by the Diffraction Method

PERIODICAL: Mezhdunar. geofiz. god., Inform. byul., 1958, Nr 1, pp 51 - 62

(Engl. Res.)

ABSTRACT: The Khar'kovskiy politekhnicheskiy institut (Khar'kov Polytechnic

Institute) performed radar measurements of the meteor velocity using the pulse method. The changes of the distance to the meteor cause an interference of the reflected waves and echo amplitude variations. Hence, the meteor velocity can be found after having determined the distance to the meteor. The paper contains a description of the principal circuit diagram of the device used for studying the meteor stream of the Geminids. A velocity of 35 ± 2.5 km/sec was obtained for the meteors of this

stream.

Card 1/1

DUDNIK, B.S.; KASHCHEYEV, B.L.; LAGUTIN, M.F.; LYSENKO, I.A.; TOISTOV, V.V.;
DELOV, I.A.

Studying meteoric activity by means of radar on a frequency of 72 mc.
Izv.vys.ucheb.zav.; radiofiz. 1 no.2:66-70 '58. (MIRA 11:11)

1. Khar'kovskiy politekhnicheskiy institut.
(Meteors) (Radar in astronomy)

SOV/109-3-11-5/13

AUTHORS: Dudnik, B.S., Kashcheyev, B.L., Lagutin, M.F. and

Lysenko, I.A.

TITLE: A Protection System Against the Pulse Interference in the

Equipment for the Recording of Meteoric Activity

(Sistema zashchity ot impuls'nykh pomekh v apparature,

registriruyushchey meteornuyu aktivnost')

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol 3, Nr 11,

pp 1379 - 1383 (USSR)

ABSTRACT: The equipment developed by the Astronomical Observatory

imeni Engel'gart (Ref 1) for the observation of the activity of meteors is inadequate in that it is subject to the influence of external interference. The equipment was therefore modified in the Khar'kovskiy politekhnicheskiy institut (Kharkov Polytechnical Institute) in such a way as to eliminate the effect of pulse interference. The resulting protection system consists of a signal channel and an interference channel (Figure 1). Both channels are provided with identical receivers in which it is possible to tune the local oscillator and the ultrahigh frequency units. The receivers are connected to two

antennae, An and Am. The receiver of the signal

Cardl/4

SOV/109-3-11-5/13 A Protection System Against the Pulse Interference in the Equipment for the Recording of Meteoric Activity

channel is tuned to the frequency f of the radar station while the receiver of the interference channel is tuned to a frequency f_{Π} which is chosen in such a way that $f_{\prod} = f_{c} + k\Delta F$, where ΔF is the bandwidth of the receiver and k is the de-tuning coefficient which is of the order of 4-8. The difference in the centre frequencies of the two receivers is necessary in order to make the interference channel insensitive to the useful signals; on the other hand, both the receivers are sensitive to the interference since its energy is spread over a spectrum which is much wider than that of the signal. The video-detector of the interference channel is followed by a selector-amplifier which produces rectangular pulses having an amplitude of 200 V; the pulses are independent of the intensity of the interference provided the latter is greater by a factor of 2.5 than the noise level. The output of the videodetector of the signal receiver is also followed by a

Card2/4

SOV/109-3-11-5/13 A Protection System Against the Pulse Interference in the Equipment for the Recording of Meteoric Activity

selector-amplifier which produces rectangular pulses. The length of the pulses is proportional to the duration of the signal at the output of the detector (at the limiting level). These pulses are applied to a special stage consisting of two tubes (Figure 2) having a common cathode load consisting of two tuned circuits. Normally, this device is conducting but in the presence of a negative pulse, the resonant circuits produce an oscillatory transient, as can be seen in Figure 3. If the time constants of the resonant circuits are suitably chosen, the output transient of the circuit of Figure 2 will contain a positive overshoot. The output signal from this circuit (which is, in effect, a delay circuit) is applied to the input of a selector tube which can be opened by the positive peaks. The second grid of the selector tube (pentode) is connected to the output of the interference channel. Consequently, in the presence of a negative pulse in the interference channel, the selector tube is closed even if a positive peak is delivered by the signal channel. An interference Card3/4 pulse which appears in both the channels will therefore be

SOV/109-3-11-5/13
A Protection System Against the Pulse Interference in the Equipment for the Recording of Meteoric Activity

stopped at the selector tube. The above protection system is employed at the meteor station of the Khar'kov Polytechnical Institute, which is carrying out investigations for the IGY (Refs 2 and 3). The improvement obtained by using the protection system is illustrated in Figure 4a and 4b; the first figure shows a record of the meteoric activity in the absence of the protection system, while the second picture illustrates the improvement. There are 4 figures and 4 Soviet references.

SUBMITTED: April 16, 1958

Card 4/4

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928420015-0

3(1) AUTHORS: Dudnik, B.S., Kashcheyev, B.L., Lagutin, M.F., and Lysenko, I.A. SOV/33-36-1-19/31

Velocity of Meteors of the Gemini Shower

ABSTRACT:

PERIODICAL: Astronomicheskiy zhurnal, 1959, Vol 36, Nr 1, pp 141-145 (USSR) In the present paper the authors give the results of measurements of the velocities of meteors made by radio-echo technique during the Gemini shower on December 10-14, 1957 from 23h to 5h in

Khar'kov. V.V. Tolstov and D.N. Luk'yashko had a share in the measurements. 569 velocities of meteors were determined. 226 meteors had velocities from 32.5 to 37.5 km/sec. Here the mean

velocity was 35.9 km/sec.

There are 6 figures and 2 references, 1 of which is Soviet,

and 1 English

SUBMITTED:

March 5, 1958

Card 1/1

Harris In the see that had been been a

s/035/62/000/005/041/098

3,1710

AUTHORS:

Kashcheyev, B. L., Dudnik, B. S., Lagutin, M. F., Lysenko, I. A.

TITLE:

Apparatuses for radar observation of meteors

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 5, 1962, 45-46, abstract 5A349 (V sb. "Meteory", no. 1, Khar'kov, Khar'kov university,

1960, 3-10)

The authors describe a radar system permitting the investigation of TEXT: meteoric phenomena. They examine the functional circuits of the apparatuses for measuring the number of meteors at the 36.9 Mc frequency. To enhance the reliability of the obtained results, a pulse-noise prevention device is employed, this device making use of the difference in the spectra of the periodical sequence of rectangular radio pulses and pulse noises. An apparatus is described that permits determining the meteor speeds, the height of the reflecting region of the meteor trail, the radiants and the orbits; it also permits the investigation of the meteor trail drift. The pulse-coherent method is used for the observation of the trail. For studying turbulent motions in the meteor zone of the atmosphere, extension receiving relay stations are used, into which is fed

Card 1/2

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000928420015-0

Apparatuses for radar observation of meteors

S/035/62/000/005/041/098 A055/A101

the reference signal from the master stage of the main transmitter; the recording of the reflections from the meteor trail, received at several spaced stations, is effected on a film at the main station.

B. K.

[Abstracter's note: Complete translation]

X

Card 2/2

3 7953

\$/035/62/000/005/064/098

3,5140 AUTHORS:

Lebedinets, V. N., Lagutin, M. F., Lysenko, I. A.

TITLE:

Influence of the atmospheric turbulent wind on measurments of

velocities and radiants of meteors

PERIODICAL:

Referativnyy zhurnal, Astronomiya i Geodeziya, no. 5, 1962, 65,

abstract 5A497 (V sb. "Meteory", no. 1, Khar'kov, Khar'kovsk. un-t,

1960, 21-23)

The authors examine the influence of the atmospheric turbulent TEXT: wind upon the precision in the measurement of the velocities and of the radiant coordinates of meteors. The turbulent wind velocity gradient was measured by the method of the spaced reception of radio waves reflected from the meteor trails (see abstract 5A349). On the basis of 302 meteors recorded at two points, the authors determined the error in the measurement of the velocities and of the radiant coordinates of meteors for a variation of the atmospheric wind velocity gradient from 0 to 80 m·sec⁻¹·km⁻¹. It is shown that the turbulent wind leads to considerable errors in the determination of the meteor radiant

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Influence of the atmospheric turbulent wind ...

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A055/A101

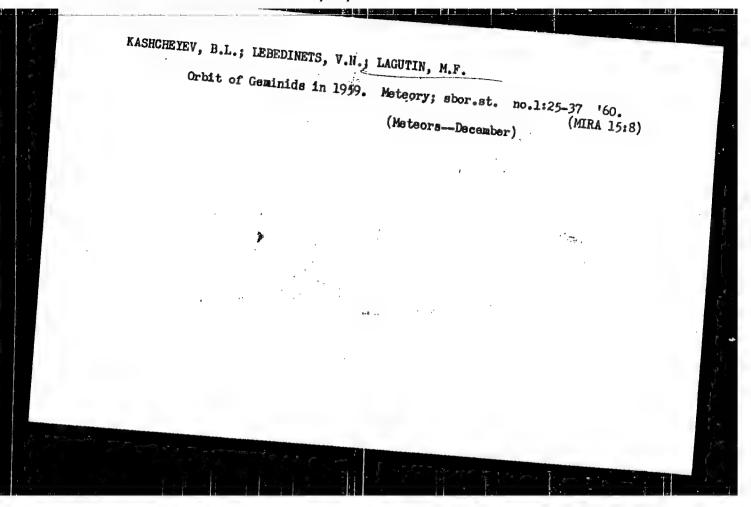
coordinates; the influence of the turbulent wind upon the precision in the determination of the velocity of the meteors is insignificant.

B. Kashcheyev

[Abstracter's note: Complete translation]

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928420015-0"

Card 2/2



APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928420015-0"

3, 1700 (1046, 1126 1060)

25կ89 \$/021/61/000/005/009/012 D215/D304

AUTHORS:

Kashcheyev, B.L., Lahutin, M.F., and Lysenko, I.A.

TITLE:

Investigating individual radiants of the geminides

shower

PERIODICAL: Akademiya nauk Ukrayins'koyi RSR. Dopovidi, no. 5,

1961, 623 - 626

TEXT: During the 1958 IGY it was arranged at the Khar'kov Polytechnic Institute to determine the orbits and speeds of meteor particles as well as the velocity and direction of the drift of ionized traces. Trajectories of meteor particles were investigated by observing radio echos of three separate receiving stations. The radiolocating apparatus consisted of a transmitter, and high sensitive receiver, working on 8 m waves, and from the receiving stations 4 and 8 km distant from the home station. Signals received at these stations were transmitted back to the home station and, together with the signals received directly at the home station, were regi-

Card 1/3

25489 S/021/61/000/005/009/012 D215/D304

Investigating individual ...

stered on photofilm. In one day, an apparatus like this can register 150 orbits of meteors up to '7^m stellar magnitude. From December 9-14, 1959 in the maximum epoch of gemenides shower, more than 400 registrations were received. Using the 'Ural' computer the elements of the orbits were calculated. The results were compared with the results from Jodrell Bank (England) and the Harvard Observatory (USA), with a good coincidence. From this data the daily change for the radiant was found: $\triangle \alpha \simeq +0.90$ $\triangle \delta \simeq -0.25$. This method of finding the radiants of separate meteors allows one to measure the mean velocity of the meteors with greater accuracy. The value calculated was 35.5 km/sec. which is the mean value obtained from the large number of meteor velocities; their radiants were grouped round the mean value of the registered radiant. It was established that in the range 30-40 km/sec. the decrease in the meteor velocity before reaching the point of maximum ionization was 0.66 km/sec. Therefore, the preatmospheric velocity of the gemenides shower was 36.1 km/sec. which appears to be in close conformity with F.L. Whipple's results (Ref. 3: Astr. Jour. 59, 201, 1954). Experiments

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25489

Investigating individual ...

5/021/61/000/005/009/012 D215/D304

showed also that in 10 % of cases the accuracy is restricted by the influence of the turbulent action of Winds. There are 1 table, 2 figures and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: J.C. Gill, and J.G. Davies, Mon. Nat. Royal Astron. Soc. 116, 105, 1956; F.L. Whipple, Astr. Journ. 59, 201, 1954.

ASSOCIATION: Kharkivs'kyy politekhnichenyy instytut (Khar'kov Poly PRESENTED:

V.G. Bondarchuk, Member AS UkrSSR SUBMITTED:

May 25, 1960

Card 3/3

3,2440 (1041,1395)

29573 s/033/61/038/004/007/010 E133/E135

AUTHORS: Kashcher

Kashcheyev, B.L., Lebedinets, V.N., and Lagutin, M.F.

TITLE:

Radio echo determinations of the orbits of

individual meteors

PERIODICAL: Astronomicheskiy zhurnal, vol.38, no.4, 1961, 681-691

+ 1 plate

TEXT: The results obtained from visual observations of meteors are summarised in Ref.1 (F.L. Whipple, Astron. J., Vol.59, 201, 1954). The radio echo method of observing meteors has been in use at Jodrell Bank since 1958 (Ref.2: J.C. Gill, J.G. Davies, Monthly Notices Roy. Astron. Soc., Vol.116, 105, 1956). One result has been the discovery of large numbers of faint meteors (7-8 mag.) with almost circular orbits inclined at a large angle to the ecliptic (Ref.3: Meteory, Sbornik statey, IIL (Meteors, Symposium, IIL) 1959). The lifetime of these particles must be small (Ref.4: L. Kresák, Byul. Astron. in-tov Chekhoslovakii (Bulletin Astronom. Instit. Czechoslovakia) Vol.11, 1, 1960). Apparatus was installed at Khar'kov in December 1958 for the determination of individual meteor orbits. Observations have been Card 1/X

29573

Radio echo determination of the

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made since August 1959. The general layout is indicated in Fig. 1. The radio-location equipment is at 0, 6 and 6, where 0.5 = = 7100 m and $0K = 4500 \text{ m} (\frac{1}{2} 10 \text{ m})$. The transmission frequency is 36.9 Mc/s and the duration of the impulse is 10 microsec at 500 impulses per sec. The stations at ${\mathbb F}$ and ${\mathbb K}$ transmit the data they receive back to 0, after amplification. The resultant traces are photographed together. An example is shown in Fig. 2 (where the sinusoidal curve gives the Doppler frequencies determining the drift of the track). The position of the radiant and of the meteor orbit is determined by Kleiber's method (Ref.7: I.A. Kleiber, Opredeleniye orbit meteornykh potokov, SPb, 1891 (Determination of the orbit of a meteor stream)) and is done by an electronic computer; otherwise it would be impossible to reduce all the data. In order to check the accuracy of the calculated orbits, observations were made of 298 members of the Geminid stream during December 9-14, 1959. The authors first consider the braking effect of the Earth's atmosphere so that they can deduce the velocity outside the atmosphere from the observed velocity. They arrive at the equation:

Card 2/7

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Radio echo determination of the ... E133/E135

$$\triangle \mathbf{v}_{\mathbf{m}} = -\frac{1.22}{\mathbf{v}_{\mathbf{n}}\sigma} \tag{15}$$

which gives the velocity change in terms of the initial velocity and the parameter o (the coefficient of heat transfer). They assume that $\log \sigma = -11.2$ and that it does not vary much with the mass (Ref. 11: L.G. Jacchia, Smith. Contrib. Astroph., Vol. 2, No.9, 1958). They find that a correction of ~ 0.6 km/sec should be made, therefore, to the observed Geminid velocity. The resultant r.m.s. error in the velocity measurements is \$1.8 km/sec for a single meteor. This is due to four causes; a) inaccuracies in the allowance for atmospheric braking; b) the effect of atmospheric turbulence on velocity measurements; c) errors in velocity measurements due to diffusion of the meteor track; d) inaccuracy in the readings of the number of impulses per The data on the Geminids indicate a systematic Fresnel zone. change in the position of the radiant, and the orbital elements, The authors compare their results with with solar longitude. optical measurements for meteors of magnitude -5 to 0 (F.t. Whipple, Ref. 1) and for meteors of magnitude 0 to +3 (Ref. 14: G.S. Hawkins. Card 3/7_

29573 5/033/61/038/004/007/010 E133/E135

Radio echo determination of the ...

R.B. Southworth, Harv. Reprint Series II-128, 1958). The average orbital elements of fifteen meteors in Ref. 1 agree with the present measures, as does the systematic change in the orbital elements. The results in Ref. 14 appear to be less accurate, but also agree with the limits of error. That there was a change in the position of the radiant was already known, but this change in the orbital elements is new. Since it appears to be connected with the mass of the particles, it can only be explained by some form of braking of the meteors (e.g. by the Poynting-Robertson effect). Previous observations (Ref. 17: B.L. Kashcheyev, V.N. Lebedinets. Astron. zh., Vol.36, 629, 1959) indicate that on the night of December 12-13 1959, a maximum was observed for meteors in the range 2-4 mag., but on the following night (13-14) the maximum was at about zero magnitude. It can be estimated from this, on the basis of the Poynting-Robertson effect, that the age of the stream is about 30 000 years (assuming a meteor density of 4 gm/cc).

There are 8 figures; 3 tables and 18 references: 10 Soviet-bloc and 8 non-Soviet-bloc. The four most recent English language references read as follows:

Card 4/7

Radio echo determinations of the ... \$/033/61/038/004/007/010 E133/E135

Ref.1: F.L. Whipple, Astron. J., Vol.59, 201, 1954.

Ref.2: J.C. Gill, J.G. Davies, Monthly Notices Roy. Astron. Soc., Vol. 116, 105, 1956.

Ref. 11: L.G. Jacchia, Smith. Contrib. Astroph. Vol. 2, No. 9, 1958.

Ref.14: G.S. Hawkins, R.B. Southworth, Harv. Reprint Series II-128, 1958.

ASSOCIATION: Khar'kovskiy politekhnicheskiy institut imeni

V.I. Lenina

(Khar'kov Polytechnical Institute imeni V.I. Lenin)

SUBMITTED: July 18, 1960

X

Card 5/7

X

J₁3280

3,2500

5/831/62/000/008/001/016 E032/E114

AUTHORS:

Kashcheyev, B.L., Dudnik, B.S., Lagutin, M.F.,

Lebedinets, V.N., Luk'yashko, D.N., and

Lysenko, I.A.

TITLE:

Radar observations of meteors at Khar'kov

SOURCE:

Ionosfernyye issledovaniya (meteory). Sbornik statey, no. 8. V razdel programmy MGG (ionosfera). Mezhduved. geofiz. kom. AN SSSR. Moscow, Izd-vo AN SSSR, 1962,

7-20

This paper reports the results of analyses of radio echoes from meteor trails which were recorded at the Khar'kovskiy TEXT: politekhnicheskiy institut imeni V.I. Lenina (Khar'kov Polytechnical Institute imeni V.I. Lenin) during July 1957 - May 1959. observations were in accordance with the IGY programme and were carried out at 73.2 Mc/sec and 36.9 Mc/sec. Special measures were taken to suppress extraneous interference. Pulse lengths of ten microseconds were employed at repetition frequencies up to 500 cps and power per pulse $\sim 50\text{--}70$ kW. The detector sensitivity was 5 x 10^{-14} W. The half-power beamwidth in the final Card 1/12

CIA-RDP86-00513R000928420015-0" APPROVED FOR RELEASE: 06/20/2000

Radar observations of meteors at ... \$\ \frac{\\$S/831/62/000/008/001/016}{\\$E032/\\$E114}

experiments was ± 20° (vertical plane) and ± 17° (horizontal plane). The meteor velocities were measured by a diffraction method in which the velocities relative to earth were determined from signal amplitude fluctuations. Altogether 300 000 reflections from sporadic meteors were recorded and average diurnal variations in the number of meteors were obtained throughout the period. Fig. 10 shows three typical distributions (number of meteors versus mean sidereal time). The velocity distributions were also determined as functions of time and are reproduced in the paper. Finally, the mass distribution of sporadic meteors was found from the lengths of the reflected pulses. It was found that

 $N = N_0 m^{s-1}$ where $s \sim 2$.

Owing to the large beamwidth, weak meteor showers could not be detected against the sporadic background. Brief details are given about the following showers which were the only reliably detected showers: Quadrantids, Lyrids, Geminids, η -Aquarids and Arietids (daytime). There are 16 figures.

ACCESSION NR: AT4043266

\$/3105/63/000/02-/0012/0021

AUTHOR: Lagutin, M. F.

TITLE: Technique and error of the determination of meteor orbits by radar

SOURCE: Kharkov. Politekhnicheskiy institut. Kafedra osnov radiotekhniki. 5 razdel programmy* MGG: Ionosfera i meteory*. Meteory*; sbornik statey, no. 2/3, 1963, 12-21.

TOPIC TAGS: meteor, meteor orbit, radio location, radar, oscillograph

ABSTRACT: A method is described for processing raw data which is in the form of reflected radio signals from a meteor trail, recorded on film from the face of a cathode ray tube. Only those recordings are accepted for processing in which there are at least three distinct zones separated by maxima (or minima) in the amplitude-time function on at least three recordings. Each recording is rated for the quality and number of Fresnel zones used for computation of velocity and time displacement between recordings, according to a 5-point relative scale which is different for each trail. The dimensions and number of pulses in each zone, as well as their time relationship to the same zones on other recordings are noted. Tables are presented of times at

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ACCESSION NR: AT4043266

which reflection occurred, range to target, and quality and type of reflection: A - unsaturated, B - saturated, AB - intermediate, C - supersaturated. For type A, the ratio of the signal amplitudes of the first and second maxima is used to determine the coefficient of ambipolar diffusion. All time displacements are averaged over all recordings. Velocities are computed separately for each zone and averaged with weightings which are proportional to their dimensions. From these data the stellar magnitude of the meteor is determined and electron concentrations at the points of maximum ionization in the trail are computed. Separate formulas are given for electron concentration, <, for A-type meteors (\ll < 2.4 x 10^{12} electrons/cm) and B and C-type meteors ($\alpha > 2.4 \times 10^{12}$ electrons/cm). Error analysis of the data has shown that in determining the velocities and radiants of individual meteors the error is practically independent of velocity and is about 3% in velocity and 3° in radiant. Random deviations from this accuracy are mostly caused by noise. The radio method was successfully used to determine the trajectories of two simultaneous meteor streams, Arietid and §-Perseid, in June 1960. The accuracies obtained were about an order of magnitude better than the accuracies of the statistical measurements of Almond, Bullough and Hawkins (Jodrell Bank Ann., 1, No. 3, 1961,p. 299). A new meteor stream was also discovered during this time. Orig. art. has: 9 tables, 10 formulas and 5 photographs. Card2/3

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928420015-0

ACCESSION NR: AT4043266

ASSOCIATION: Kafedra osnov radiotekhniki, khar kovskiy politekhnicheskiy institut (Department of Basic Radio Engineering, Khar kov Polytechnical Institute).

SUBMITTED: 00

ENCL: 00

SUB CODE: AA

NR REF SOV: 006

OTHER: 002

Card3/3

ACCESSION NR: AP4039722

S/0141/64/007/002/0225/0231

AUTHOR: Delov, I. A.; Lagutin, M. F.; Ly*senko, I. A.

TITLE: Investigation of parameters of some turbulent flows by radiolocation of meteor trails

SOURCE: IVUZ. Radiofizika, v. 7, no. 2, 1964, 225-231

TOPIC TAGS: radar tracking, meteor, pulse communication, ionospheric radio wave, tropospheric radio wave

ABSTRACT: Apparatus employing a pulse-coherent method of radar tracking of meteor trails, described in detail elsewhere (Meteory*, No. 1, Collection of articles, izd. KhCU, 1960) has been used to investigate the turbulent motion in the meteor zone of the upper atmosphere. The means used to obtain coherence in the main apparatus and in the relaying apparatus are described. The parameters of turbulent motion obtained in this investigation (the pulsational velocity U of large-scale vortices, their characteristic dimension L, and their decay time T, the pulsational velocity of the vortices of the energy dissipation interval Uz, their characteristic dimension t, their lifetime t, and the gradient of the turbulent-motion velocity are found to be of the same order as obtained by J. S. Greenhow and E. L. Neufeld

Card 1/3

ACCESSION NR: AP4039722

(Proc. Phys. Soc. v. 75, 228, 1960 and No. 1, 475, 1959). The authors believe, however, that the procedure they used to process the radar data, based on local turbulence properties, gives more correct estimates of the turbulent-motion energy (c ~ 1200 and 3200 cm²/sec³ for day and night, respectively) than is obtained by Greenhow and Neufeld. It is also shown that many statistical parameters of the turbulence (energy of turbulent motion, pulsational velocity of large-scale vortices, velocity gradient of turbulent motion) are subject to diurnal variations. This gives grounds for assuming that the "intensity" of the turbulence in the meteor zone is controlled by the sun. Orig. art. has: 5 figures and 4 formulas.

ASSOCIATION: Khar'kovskiy politekhmicheskiy institut (Khar'kov Polytechmic Institute)

SUBMITTED: 09May63

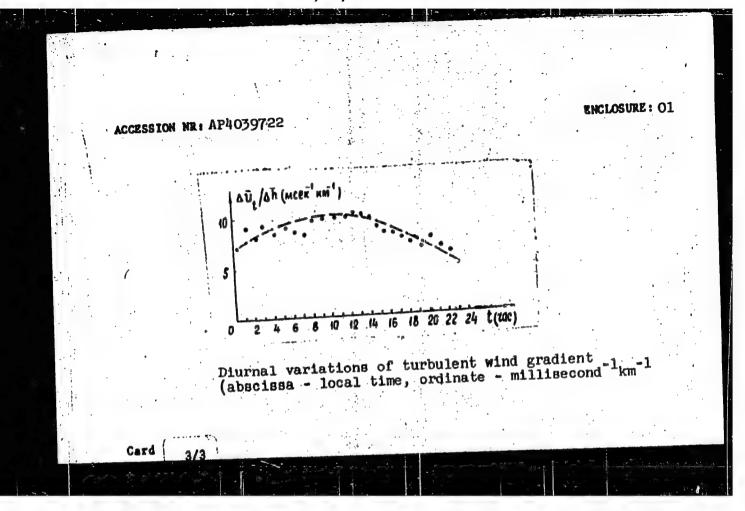
ENCL: 01

SUB CODE: ES, EC

NR REF. SOV: 011

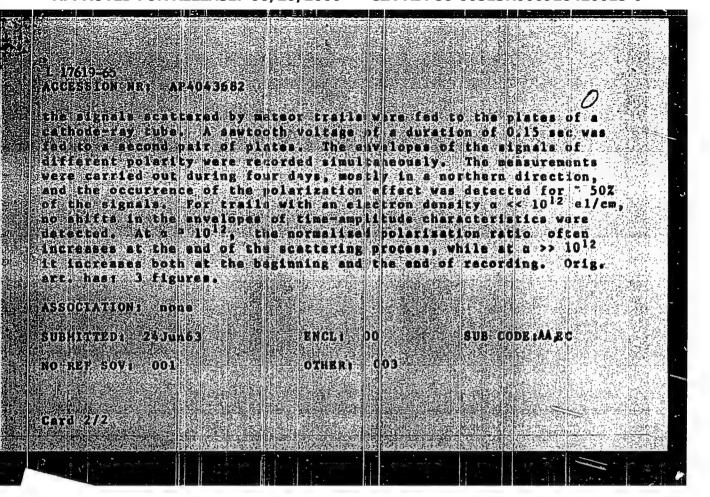
OTHER: 003

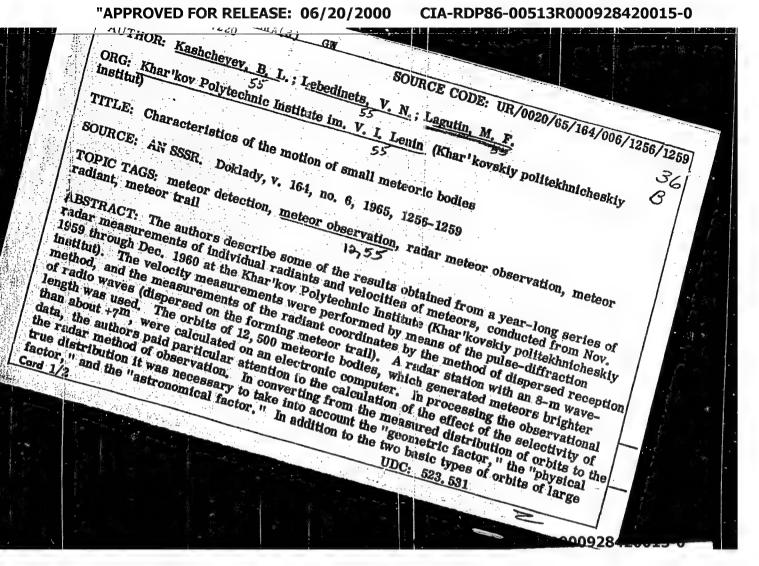
Card 2/3



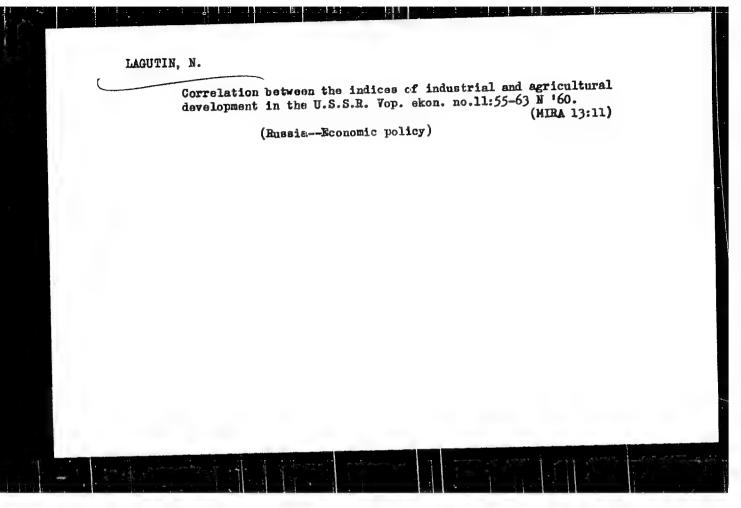
APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928420015-0"

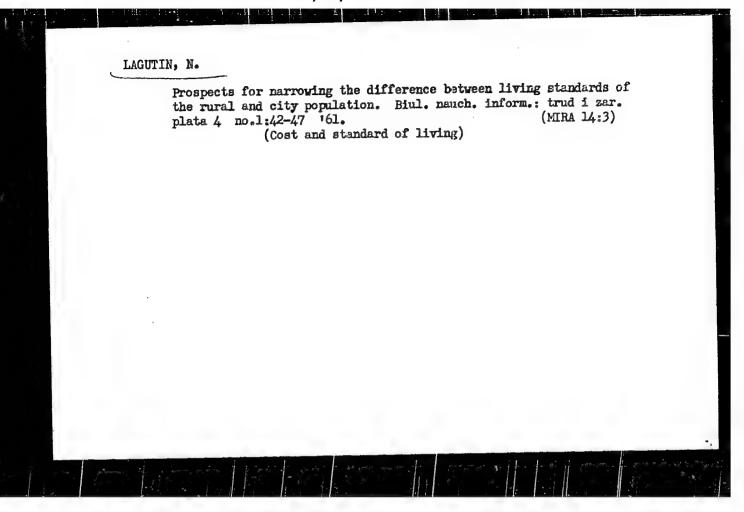
L 17(519-55 BYT(3)/BYT(1)/BYS(L)/BBC-4/BMA(h) Pn-4/Pa-5/Po-4/Feb/P1-4/P1-4 ABCC(8)/APVL/RABA(C)/ESD(t) J/B/GW
ACCESSION NRI APADA3682 8/0109/64/009/008/1494/1495
FITUE: Incluence of the polarization effect on radio signals acat- Attend by meteor trails Source: Radiotskhnika i slaktronika; v 9, snop 8, 1966, 1494-1495
TOPIC-TACS) meteor trail ymateox trail mignal scattering, meteor physicalical meteor study radio signal scattering
ABSTRACT: The polarization effect on radio signals scattered by ABSTRACT: The polarization effect on radio signals scattered by means of two independent and identification trails was investigated by means of two independent and identification trails transmitters operating at the 36.7 mc frequency. The repetition tidal transmitters was 500 pulses/sec trate of the pulses generated by the transmitters was 500 pulses/sec
rate of the pulses generated by the rate of the pulses generated by the conded with identital with a time shift of 140 Pasc. They was a loaded with identital and antennas which were polarized in mutually perpendicular planes and antennas which were approximately identical, on the had radiation patterns which were approximately identical, on the had radiation patterns which were approximately identical, on the had radiation patterns which serves proximately identical, on the basis of recorded meteor radio serves.
Secret 1/2





0 9551-66 ACC NR: AP5027220 meteors known from photographic observations, the authors found the following: a) orbits with e < 0.7 and 30° < i < 165°, and b) the major portion of the small meteors moves in elongated orbits with e > 0.7, which in shape are close to those of short-lived comets but differ from the comets by considerably smaller perigee distances and dimensions (a < 3 a. u.) (i is orbit inclination, a is large semiaxis, and e is eccentricity). Photographic observations showed type-b orbits for several meteor showers for which no ancestor-comets were found. The detection of the two new types of orbits is of great significance for the study of the origin and evolution of meteoric substance. The presence of a large number of meteor showers with type-b orbits shows that there should be a large number of short-lived comets with this type of orbit in the solar system. Due to the closeness to the Sun of the perihelion, the lifetime or comets with type-b orbits is very short. Evidently, it is considerably shorter than the lifetime of the existence of the meteor trails generated by such comets. Presented by Academician V. G. Fesenkov March 13, 1965. Orig. art. has: 1 figure and 4 formulas. SUB CODE: EC, AA / SUBM DATE: 13Mar65 / ORIG REF: 003 / OTH REF: ATD PRESS: /





BUZINAKOV, N.I.; ZAREMBA, B.V.; LAGUTIN, N.S.; MAYYER, V.F.; FETISOV, S.M.; VASIL-YEVA, L., red.; MUKHIN, Yu., tekim. red.

[Today and tomorrow; facts and figures about the standard of living of the Soviet people]Segodnia i zavtra; tsifry i fakty ob urovne zhizni sovetskogo naroda. Moskva, Gospolitizdat, 1962. 126 p. (MIRA 15:11)

(Cost and standard of living)

KRYLOV, I.N.; MAYYER, V.F.; ZHIDKOVA, M.V.; LAGUTIN, N.S.; KOROVKIN, G.N.; KIRICHENKO, N.Ya.; AGABAB'YAN, E.M.; KUZ'MINA, Ye.I.; GALYNSKIY, V.T.; SKRYLEVA, V.N.; GIYAZER, L.S., red.; RYABOVA, Ye.A., red.; GERASIEOVA, Ye.S., tekhn. red.

[Planning national consumption in the U.S.S.R.; current problems] Planirovanie narodnogo potrebleniia v SSSR; sovremennye problemy. Pod red. V.F.Maiera i P.N.Krylova. Morskva, Izd-vo "Ekonomika," 1964. 134 p. (MIRA 17:1)

1. Moscow. Nauchno-issledovatel'skiy ekonomicheskiy institut.

KATS, V.I., doktor ekon. nauk; KIRICHENKO, V.N., kand. ekon. nauk; IVANOV, Ye.A.; SAID-GALIYEV, K.G.; LUK'YANOV, E.B.; MUSATOVA, V.A.; PLYSHEVSKIY, B.P., kand. ekon. nauk; STOMAKHIN, V.I.; KARPUKHIN, D.N., kand. ekon. nauk; KIRICHENKO, N.Ya.; ZHIDKOVA, M.V., kand. ekon. nauk; ANCHISHKIN, A.I.; KLINSKIY, A.I., kand. ekon. nauk; SOLOV'YEV, N.S.; KLOTSVOG, F.N.; VSYAKIKH, E.P.; LAGUTIN, N.S., kand.ekon. nauk; LEMESHEV, M.Ya., kand. sel'khoz.nauk; KORMNOV, Yu.F., kand. ekon. nauk; SAVIN, V.A.; TEREKHOV, V.F.; KUDROV, V.M., kand. ekon. nauk; AL'TER, L.B., doktor ekon. nauk, red.; KRYLOV, P.N., kand. ekon. nauk; LEPINKOVA, Ye., red.; KOKOSHKINA, I., mladshiy red.; ULANOVA, L., tekhn. red.

> [Growth of the social product and the proportions of the national economy of the U.S.S.R.] Rost obshchestvennogo proizvodstva i proportsii narodnogo khoziaistva SSSR. Moskva, (MIRA 16:2) 1962. 453 p.

(Russia-Economic policy)

LEMESHEV, M.Ya.; LAGUTIN, N.S.; GREKULOV, L.F.; KRASNOV, V.D.; PRONIN,
A.A.; YAKOVLEVA, T.V.; ANAN'YEVA, L.F.; KOLOSOVA, Ye.Ya.;
MURASHKO, Yu.V.; GABIDULLIN, V.M.; POPOV, N.I.; POPOV, N.M.;
STUDENKOVA, N.M.; SMYSLOVA, A.S.; PANIN, N.S., red.; PANIN, N.S., red.;
GERASIMOVA, Ye.S., tekhn.red.

[Methods for creating an abundance of agricultural products in the U.S.S.R.] Puti sozdaniia izobiliia sel'ske-khoziaistvennykh produktov v SSSR. Moskva, Ekonomizdat, 1963. 317 p. (MRA 16:6)

1. Sektor ekonomicheskikh problem sel'skego khozyaystva Nauchnoissledovatel'skogo ekonomicheskogo instituta Gosplana SSSR (for all except Panin, N.S., Panin, N.S., Gerasimova). (Farm produce)

LAGUTIN, Nikolay Stepanovich. Prinimala uchastiye YEGOROVA, L.A.; TRIFSIK, G.B., red.; BAZLOVA, Ye.M., mladshiy red.

[Problems of merging the living standards of workers and collective farmers] Problemy sblizheniia urovnia zhizni rabochikh i kolkhoznikov. Moskva, Ekonomika, 1965. 110 p. (MIRA 18:4)

LAGUTIN, P.K. [Lehutin, P.K.]; MAKUKHINA, G.A. [Makukhina, H.O.]

Age of certain effusives in the southwestern part of the Donets
Basin. Geol. zhur. 18 no. 2:86-90 '58. (MIRA 11:7)

(Donets Basin-Geology, Stratigraphic)

AYZENVERG, D.Ye. [Aizenverg, D.IE.]; KONOPLINA, O.R.; LAGUTIN, P.K.

Stratigraphic correlation of Devonian sediments in the southern
margin of the Donets Basin. Geol.zhur. 22 no.4:53-56 '62.

(MIRA 15:9)

1. Institut geologicheskikh nauk AN UkrSSR.
(Donets Basin-Geology, Stratigraphic)

AYZENWERG, D.Ye. [Aizenverh, D.He.]; BRAZHNIKOVA, N.Ye. [Brazhnikova, N.He.];
ISKCHENKO, T.A.; LAGUTIN, P.K. [Lehutin, P.K.]

Garboniferous basalt layers in the Donets Basin. Geol.zhur. 23 no.1:73-78

.63.

1. Institut geologicheskikh nauk AN UkrSSR.

(Donets Basin—Basalt)

YEPATKO, Ya.M. [IEpatko, IU.M.]; LAGUTIN, P.K. [Lahutin, P.K.]; LALO, V.M.

Experimental data on the leaching of quartz-feldspar sandstones.

Geel.zhur. 23 no.1:89-92 163. (MIRA 16:4)

 Institut geologicheskikh nauk AN UkrSSR. (Sandstone) (Leaching)

AYZEN TERG, D.Ye.; BELEVTSEV, Ya.N.; BORDUKOV, I.N.; BORISENKO, S.T.;

BULKIN, G.A.; GORLITSKIY, B.A.; DOVGAN, M.N.; ZAGORUYKO,

L.G.; KAZAKOV, L.R.; KALYAYEV, G.I.; KARASIK, M.A.; KACHAN,

V.G.; KISELEV, A.S.; LAGUTIN, P.K.; LAZAKENKO, Ye.K.;

LAZARENKO, E.A.; LAPITSKIY, E.M.; TAPCHIK, F.Ye.; LAS'KOV,

V.A.; LEVENSHTEYN, M.L.; MALAKHOVSKIY, V.F.; MITKEYEV, M.V.;

PRUSS, A.K.; SKARZHINSKIY, V.I.; SKURIDIN, S.A.; SOLOV'YEV,

F.I.; STRYGIN, A.I.; SUSHCHUK, Ye.G.; TEPLITSKAYA, N.V.;

FEDYUSHIN, S.Ye.; FOMENKO, V.Yu.; SHKOLA, T.N.; SHTERNOV,

A.G.; YAROSHCHUK, M.A.; ZAVIRYUKHINA, V.N., red.

[Problems of metallogeny in the Ukraine] Problemy metallogenii Ukrainy. Kiev, Naukova dumka, 1964. 254 p. (MIRA 18:1)

1. Akademiya nauk URSR, Kiev. Instytut geologichnykh nauk.

LAGUTIN. P. M.

Tobacco Manufacture and Trade

More about the "golden" spindles. Tabak 13 no. 2, 1952

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

onac, 💸 WEE R Columnated Plants, Grains. Leaunineus Arries, 1.5°% Tropical Careals. dof Thur -Blokogaya, No. 5, 1959, No. 10 237 ALE COURS Lagutin, T.A. Author State Commission on Variety Testing of Agrid The Effect of Agrotechaical Methods on the I 17. 11.42 Summer Wheat Mield in Smolouskays Obinst. Inform, biol. Gos. komis. po sortoispyt. g.-kb. hulitur pri M-ve s. kh. 8088, 1958, ORIG. PUB.: No.7. 29-35 So abstract ABSTRACT : *enturnal Crops of the Ministry of Agric. USSR CARD: 1/2 36

18(3) SOV/21-59-3-14/27 AUTHORS: Lagutin, V.P., and Titov, V.K.

A Study of Residual Stresses in Cast Iron Hardening TITLE: (Izucheniye ostatochnykh napryazheniy pri zakalke

chuguna)

Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 3, PERIODICAL:

pp 290-293 (USSR)

ABSTRACT: The authors studied the interdependence among 1) the

value of longitudinal residual stresses arising when hardening of cast iron, 2) the hardening medium

and 3) the graphite dispersity. They employed the formula

d EK/mm²,

wherein is the area of cut left over after facing, d is a derivative, is relative change df

Card 1/3

A Study of Residual Stresses in Cast Iron Hardening

of length after facing, is cut off area, E is modulus of elasticity = 1.10 kg/mm². The cast iron used in examinations was of two sorts, one containing 2.90% C, 1.80% Si, 0.70% Mn, 0.158% P, 0.92% S, another containing 3.35% C, 1.88% Si, 0.66% Mn, 0.110% P and 0.100% S. The specimens were 60 mm long, 25 mm in diameter, Heating for hardening was done in a salt bath, and lasted 20 minutes. After hardening in water and oil, the hardness in the cross cut reached 48-50 urits Re. The cast iron's graphite was small, lamillar, rectilinear, with local turbulences. The examination showed that the nature of stress distribution was complex, and changed its sign several times. The presence of tensile stresses on the surface of the specimens could be explained by the predominance of structural stresses. The decrease of graphite dispersity diminished the tensile stresses. A rise in the temperature

Card 2/3

SOV/21-59-3-14/27

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A Study of Residual Stresses in Cast Iron Hardening

of hardening in water instead of oil increased the stresses. There are 3 graphs, 1 table and 10 Soviet

references.

ASSOCIATION: Nikolayevskiy sudostroitel nyy institut (Nikolayev Shipbuilding Institute)

August 5, 1958, by V.N. Svechnikov, Member of the AS UkrSSR PRESENTED:

Card 3/3

18(3),7(0) AUTHORS:

Titov, V. K., Lagutin, V. P.

SOV/32-25-1-36/51

TITLE:

On the Errors of Determination According to the Mechanical Method of Residual Stresses in the Hardening of Gray Cast Iron (O pogreshnostyakh opredeleniya mekhanicheskim sposobom ostatochnykh napryazheniy pri zakalke serogo chuguna)

SERVED SE

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 1, pp 99-100 (USSR)

ABSTRACT:

The investigations of the subject mentioned in the title were carried out according to the method of the determination of longitudinal residual stresses (occurring in hardening) (Ref 1). The method is based on the successive removal by turning of the surface layers from the specimen as well as on the determination of sample-length variation caused by disturbance of the state of stress. In order to ascertain the mean square error of determination the length and diameter of the sample were measured 20 times after each turning. The relative sample-length variation after turning is given to be

λ = L turned - L not turned

L calculated

Card 1/2

On the Errors of Determination According to the Mechanical Method of Residual Stresses in the Hardening of Gray Cast Iron

SOV/32-25-1-36/51

On the application of the equations mentioned it is stated that at 13 layer removals ΔG shows a mean arithmetic value of \pm 0.28 kg/mm². It may be assumed that the mechanical method of stress determination is very accurate. There are 3 Soviet references.

ASSOCIATION:

Nikolayevskiy korablestroitel'nyy institut im. admirala S. O. Makarova (Nikolayevsk Shipbuilding Institute imeni Admiral S. O. Makarov)

Card 2/2

SOV/137-58-10-21299

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 122 (USSR)

AUTHORS: Tikhomirov, V. I., Ipat'yev, V. V., Lagutina, A. G.

TITLE: Investigation of the Range of Homogeneity of Wüstite at a

Temperature of 980°C (Issledovaniya oblasti gomogennosti

vyustita pri temperature 9800)

PERIODICAL: Uch. zap. LGU, 1957, Nr 227, pp 151-162

ABSTRACT: The range of homogeneity of wustite formed on Armco Fe at 980° was investigated with the aid of a method based on periodic

weighing and passing through the reaction tube of the furnace during oxidation of a mixture of steam and H_2 of various composition. A relationship is established between the composition of the gaseous phase and the equilibrium composition of the wustite. The range of homogeneity of wustite obtained at 980°

lies within the limits of 75.3 - 77.95% Fe. The experimental data are generalized by a single approximate equation:

data are generalized by a single approximate equation: $log_{10} (Fe^{3+}/Fe^{2+}) = -3.7 + 8500/T + 0.25log_{10}P_{O2}$.

1. Iron oxides—Analysis 2. Iron oxides—Temperature factors G. M.

Card 1/1

STEPANYAN, Ye.P.; LAGUTINA, A.I.

Level of prothrombin, filmrinogen, heparin and of the protein fractions in the blood prior to and following surgery. Grud. khir. 1 no.3:52-56 My-Je '59. (MIRA 15:3)

1. Iz Instituta grudnoy khirurgii (dir. - prof. A.A. Busalov, nauchnyy rukrvoditel: - akademik A.N. Bakulev) AMN SSSR. Adres Ye.P. Stepanyana: Moskva, Leninskiy prosp., d.8, Institut grudnoy khirurgii AMN SSSR.

(BLOOD)
(OPERATIONS, SURGICAL)

LAGUTINA, A.I. (Moskva, B.Cheremushinskaya ul., 96,korp.1,kv.55a)

Changes in the condition of congenital heart cases of the "blue" type and reasons for the development of terminal states in these patients. Grud. khir. 2 no.2:25-31 Mr-Ap'60. (MIRA 16:7)

1. Iz laboratorii profilaktiki i lecheniya shoka i terminal'nykh sostoyaniy (zav.-starshiy nauchnyy sotrudnik Ye.M.Smirenskaya) Instituta grudnoy khirurgii AMN SSSR (dir.-prof.A.A.Busalov).

(HFART—ABNORMITIES AND DEFORMITIES)

GKL*SHTEIN, G.G.; IVANITSKAYA, M.A.; LAGUTINA, A.I.; SAVKL*YEV, V.S.;

SOBOLKVA, A.D.; FROLOVA, L.F.

Rare congenital heart defect - cor triloculars viatriatum. Klin.
med. 38 no.68129-135 Je *60. (MIRA 13812)

(HEART--AENOPMITIES AND DEFORMITIES)

EURAKOVSKIY, V.I.; MURAV'YEV, M.V.; GEL'SHTEYN, G.G.; YEVTEYEV, Yu.V.;

LAGUTINA, A.I.; ROMASHOV, F.N.; RYABOV, G.A.; ROSLAVLEVA, N.G.;

TERENT'YEVA, L.M.; SHPUGA, O.G.

Operation on the "dry " heart during hypothermia in patients with congenital heart defects. Grud.khir. no.3:3-14 '61. (MIRA 14:9)

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1. Iz otdeleniya zabolevaniya serdtsa i sosudov u detey (zav. - kand.med.nauk V.I. Burakovskiy) Instituta grudnoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel: - akad. A.N. Bakulev) AMN SSSR. Adres avtorov: Moskva, Leningradskiy prosp., d.8. Institut grudnoy khirurgii AMN SSSR. (HEART—ABNORMITIES AND DEFORMITIES) (HYPOTHERMIA) (PERFUSION PUMP (HEART))

KOLESNIKOV, S. A.; HYABOV, G. A.; GELSHTEYN, G. G.; LAGUTINA, A. I.; KOLESNIKOVA, N. I.; KISS, S. Ya. (Moscow)

"L'insuffisance respiratoire aigue et son traite apres les interventions cardiovasculaires effectuees en circulation extracorporelle."

report submitted for 13th French Cong on Anesthesiology, Bordeaux, 31 May-3Jun 63.

SMIRENSKAYA, Ye.M.; LAGUTINA, A.I.

Effect of different types of anesthesia on the development and treatment of terminal states. Grud. khir. 6 no.4:93-98 Jl-Ag (MIRA 18:4)

1. Laboratoriya klinicheskoy fiziologii (zav. - prof. A.G. Rukhtiyarov) i laboratoriya anesteziologii (zav. - kand.mad.nauk G.A.Ryabov) Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A.Kolesnikov) nauchnyy rukovoditel! - akademik A.N.Bakulev, AMN SSSR, Moskva. Adres avtorov: Moskva, V-49, Leninskiy prospekt, d.8, Institut serdechno-sosudistoy khirurgii.

ACC NR: AP6033211 (N) SOURCE CODE: UR/0229/66/000/009/0050/0052

AUTHORS: Barannik, V. P.; Lagutina, A. G.; Miroshnichenko, Yu. M.; Cherevko, T. G.

TITLE: Investigation of contact corrosion of welded joints in body steels under sea water

SOURCE: Sudostroyeniye, no. 9, 1966, 50-52

TOPIC TAGS: sea water corrosion, steel welding, corrosion rate, carbon steel, steel, austenitic steel / 09G2 steel, SKhL-4 steel, Yu3 steel, AK-25 steel, AK-29 steel, SKhL-4 steel, Yu3 steel, AK-25 steel, AK-29 steel,

ABSTRACT: Corrosion stability of body steels 09G2, SKhL-4, Yu3, AK-25, AK-29, 3S, and 4S has been investigated in contact with each other as well as on control samples. The study was performed in the Black Sea. The contact of the body steels was accomplished by hand arc welding with electrodes of the austenitic class. The first five steels were subjected to total, irregular, and algae-type corrosion, the remaining two steels—to total, uniform corrosion. The rate of corrosion was found to be within 1 says and 1 says are experimental period the corrosion rate tapered down to 0.05 mm/year. Steel Yu3 and 1 says a

UDO: 620.193.27

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LAGUTINA, I. Te.
LYUDNYLA YEVGEN'YEVNA

LACUTINA, L. Ye.: "Clinical-neurohistological data on the state of the gastrointestinal tract in pneumonia of young children."
Min Health RSFSR. Saratov State Medical Inst. Saratov, 1956.
(Dissertation for Degree of Candidate in Pedical Sciences).

SO: Knizhnaya letopis', No 23, 1956

LAGUTINA, L.Ye., kand. med. nauk; ZHELYAKOVA, A.V.; FURSIKOVA, V.L.

Symmetrical bilateral necrosis of the renal cortex in children. Pediatriia 41 no.10:72-75 0 162.

1. Iz kafedry fakulitetskoy pediatrii (zav. - dotsent S.B. Davidson) Saratovskogo meditsinskogo instituta i prozektury klinicheskogo gorodka Saratovskogo meditsinskogo instituta (zav. patologoanatomicheskim otdeleniyem R.A. Utts).

THYUREV, V.A.; IAGUTIMA, M.A., red.; TSIRUL'NITSKIY, N.P., tekhn.red,

[Boteny; a textbook for students for grades 5 and 6 of seven-year and secondary schools] Botentika; uchebnik dlie V - VI klassov semiletnei i srednei shkoly. Moskva, Gos. ucheb.-pedagog. izd-vo M-va prosv. RSFSR, 1949. 207 p.

(Boteny)

(Boteny)

YEGOROV, K.D., kand.ekon.nauk; TROSHINA, A.P.; KOVALEV, P.P.; NOVIKOVA, A.A.; JAGUTINA, M.Y.; VOLNINA, N.A.; SHESTAKOVA, R.V.; AKIMCHRNKO, O.Ye.; KULEBAKIN, V.S., akademik, red.; VEYTS, V.I., red.; BUTENKO, A.F., kand.filosof.nauk, red.; RYBINSKIY, M.I., red.; CHASHNIKOVA, M.V., red.; NIZHNYAYA, S., red.; VOSKRESENSKAYA, T., red.; CHEKHUTOVA, V., red.; RKLITSKAYA, A.D., red.; CHEPKLEVA, O., tekhn.red.

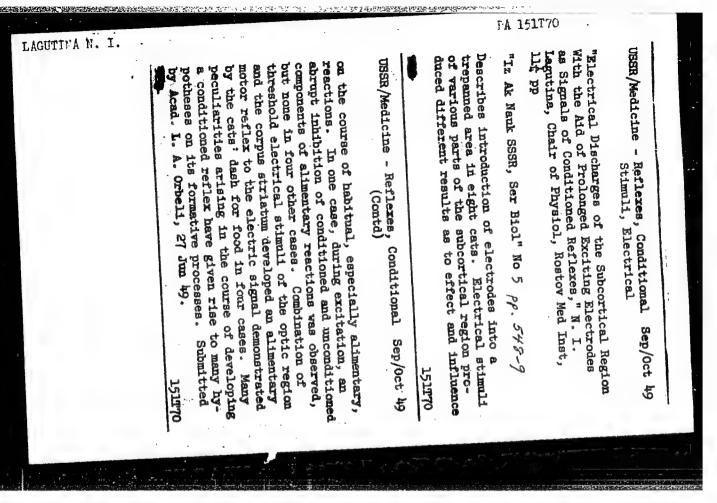
[Works of the State Commission for the Electrification of Russia; documents and materials] Trudy Gosudarstvennoi komissii po elektrifikatsii Rossii GOKLRO; dokumenty i materialy. Red.komissiis: V.S.Kulebakin and others. Moskva, Izd-vo sotsial no-ekon.lit-ry. 1960. 306 p.

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Lagutina, N. I. "Test of 'proteozogen' preparation for treatment of abscessed wounds of thin tissue," Sbornik nauch. trudov (Ros. n/D gos. med. in-t), Vol. VIII, 1948, p. 197-202

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949



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29888

I Rozhanskiy, N.A. O raspolozhyenii podkorkovykh pishchyeykh tsyentrov. Fiziol zhurnal sssr Im. Syechyenova, 1949, No 5, s. 587-93.—Bibliogr: s. 593 LUIZOV, A.V. Iovyy myetol opryedyelyeniya effyektivnogo vryemyeni sokhranyeniya zrityelinogo vpyechatlyeniya.—SM. 29589

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LAGUTINA, N.I.

Yawning reaction as conditioned stimulant. Fiziol.zhur.40 (MLRA 7:2) no.1:23-33 Ja-F 154.

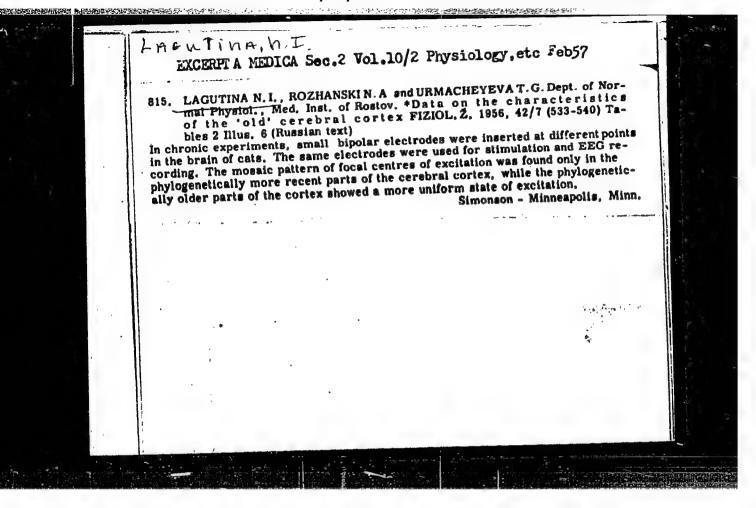
1. Kafedra normal'noy fiziologii Rostovskogo n/D. meditainskogo instituta. (Yawning) (Conditioned response)

LAGUTINA, Nina Ivanovna

(Rostov-on-Don State Medical Inst), Academic degree of Doctor of Biological Sciences, based on her defense, 3 March 1955, in the Council of the Inst of Experimental Medicine Acad Med Sci USSR, of her dissertation entitled: "Research on the central mechanisms of digestive, defensive, orientation, and other reflexes under direct electrical irritation of different points of the brain."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, List no. 18, 10 Sep 55, Byulleten' MVO SSR, No. 17, Sep 56, Moscow, pp 9-16, Uncl. JPRS/NY-435



USSR / Human and Animal Physiology (Normal and Patholo-T gical). Nervous System. Subcortical Nuclei

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97861

Author : Rozhanskiy, N. A., Lagutina, N. I.

: Not given Inst

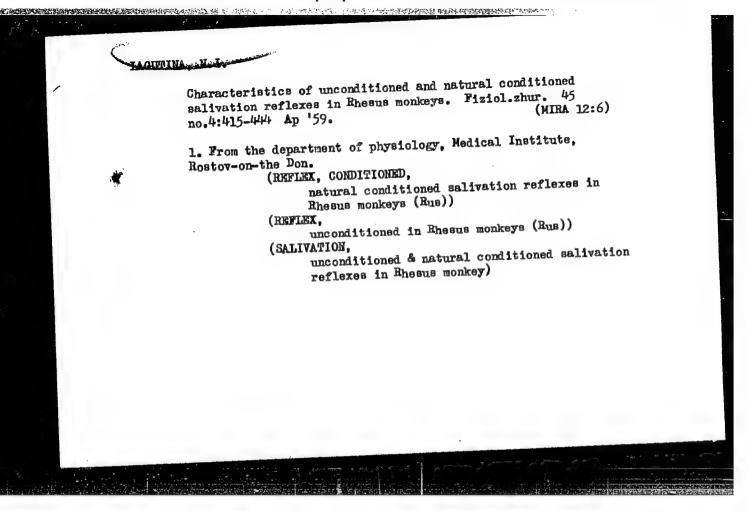
: On the Question of the Significance of the Nuclei of the "Striopallidarnoy" System Title

Orig Pub: Fiziol. zh. SSSR, 1957, 43, No 7, 622-628

Abstract: In 12 cats and 3 monkeys, with the aid of permanently implanted electrodes, various stations of the brain in the region of the stria pallidar system were irritated with histiological control of the point of irritation (20 stations altogether). With liminal stimulation of the tracts of internal

Card 1/2

81



Changes in the higher nervous activity in aging dogs. Zhur. vys.

Changes in the higher nervous activity in aging dogs. Zhur. vys.

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1. Chair of Normal Physiology, Rostov Medical Institute.

(CONDITIONED RESPONSE) (AGINI)

LAGUTINA, N.I., prof., red.; LAPIN, B.A., doktor med. nauk, red.;
CHERKOVICH, G.M., kand. med. nauk, red.; SOLOPAYEV, B.P., kand. med. nauk, red.; DIKOVENKO, Ye.A., kand. med. nauk, red.; FUFACHEVA, A.A., mladshiy nauchnyy sotr., red.;
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1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut eksperimental'noi patologii i terapii, Sukhum.

(MONKEYS--PHYSIOLOGY)

RAUSHENBAKH, M.O.; SUKYASYAN, G.V.; KOZINETS, G.I.; TSESSARSKAYA, T.P.;
NOVIKOVA, M.N.; KAZANOVA. L.I.; CHERNOV, G.A.; LAGUTINA, N.Ia.;
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1. From the Laboratory of Physiology and Pathology of Higher Nervous Activity Institute of Experimental Pathology and Therapy, Sukhumi.

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1. Laboratoriya fiziologii i patologii vysshey nervnoy deyatel'nosti Instituta eksperimental'noy patologii i terapii AMN SSSR, Sukhumi.

LAGUTINA, N.I.; DZHALAGONIYA, Sh.L.

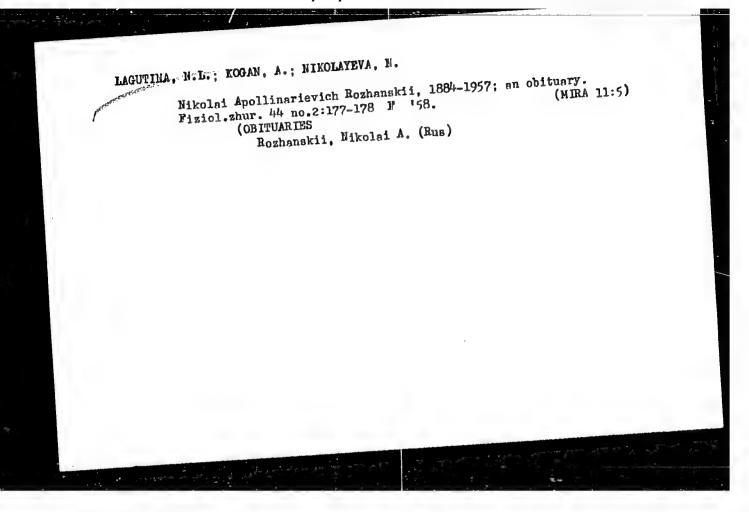
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1. Laboratory of Physiology and Pathology of Higher Nervous Activity, Institute of Experimental Pathology and Therapy, U.S.S.R. Academy of Medical Sciences, Sukhumi.

LAGUTINA, N.I.; SYSOYEVA, A.F.

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1. Institut eksperimental noy patologii i terapii AMN SSSR, Sukhumi. Submitted July 13, 1965.



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1. Iz radiobiologicheskoy laboratorii (zav. - prof. M.O. Raushen-bakh) TSentral'nogo ordena Lenina instituta gematologii i pereli-vaniya krovi Ministerstva zdravookhraneniya SSSR.

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M. P., RODINA, R. I., BELYAYEVA, B. F., ABDULLAYEV, G. M., and LAGUTINA, N. Y.

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LAGUTINA, N.Ya., kend.med.nauk

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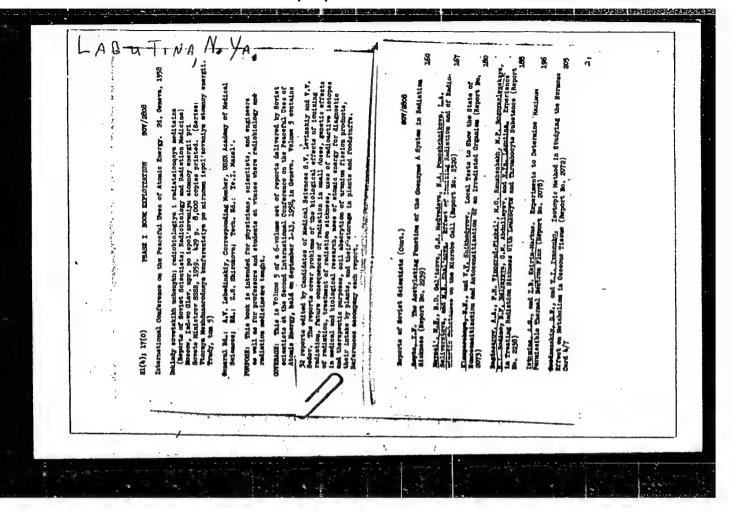
1. Is gospital'noy terapsvticheskoy kliniki pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova (dir. deystitel'nyy chlen Akademii meditsinskikh nauk SSSR prof. A.A. Bagdasarov).

(HYPERTENSION, physiol. gestric secretion (Rus))

(GASTRIC JUICE, secretion in hypertension (Rus))

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CIA-RDP86-00513R000928420015-0



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> Treatment of acute radiation sickness with concentrated thrombocytes. Probl.gemat. i perel.krovi 4 no.8:3-7 Ag 59. (MIRA 13:1)

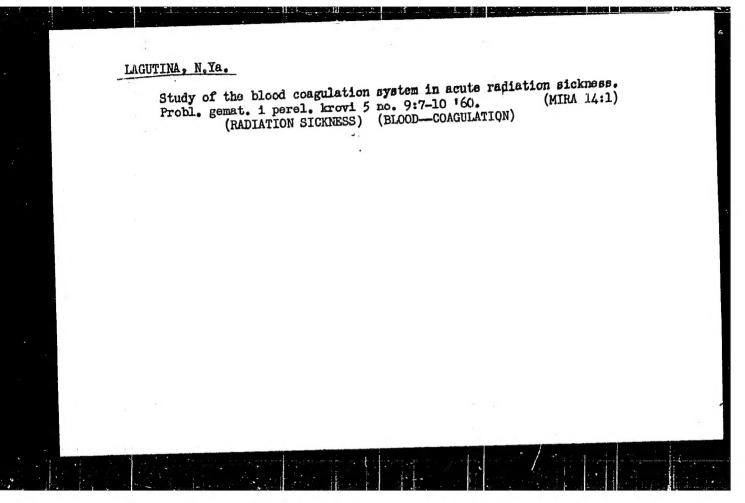
> 1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov) Ministerstva zdravockhraneniya SSSR. 2. Deystvitel nyy chlen AMN SSSR (for Bagdasarov).
> (BLOOD TRANSFUSION)

(RADIATION INJURY ther.)

BAGDASAROV, A.A.; RAUSHEHBAKH, M.O.; SUKYASYAH, G.V.; ABDULLAYEV, G.M.; HOVIKOVA, M.N.; LAGUTINA, N.Ya.; SAMOYLINA, N.L.; CHERNOV, G.A.

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1. Institut gematologii i perelivaniya krovi, Moskva. (THROMBOPLASTIN) (RADIATION SICKNESS)